

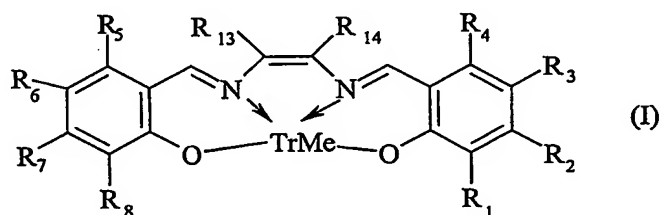
CLAIMS

1. Use of at least one transition metal coordination compound for improving the light fastness of dyed polyester material.

2. Use according to claim 1 characterized in that the transition metal coordination compound comprises Ni, Co, Cr or Cu (Nickel, Cobalt, Chromium or Copper).

3. Use according to claim 2 characterized in that the transition metal coordination compound comprises Nickel (Ni).

4. Use according to claim 1 characterized in that the transition metal coordination compound is a compound according to formula (I)

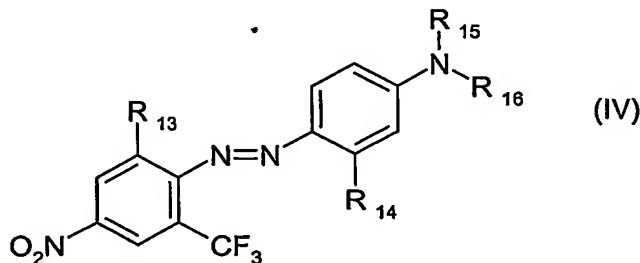


wherein

TrMe signifies a transition metal and R₁ to R₈ independently from each other signify H, halogen, -NO₂, -CN, -OH, -COOH, -CH₃, -NH₂ or NHCH₃ and R₁₃ or R₁₄ independently from each other signify H, halogen or -CN, or R₁₃ and R₁₄ form together a ring which is by preference a six membered ring and which may be unsubstituted or may be substituted by halogen, -NO₂, -CN, -OH, -COOH, -CH₃, -NH₂ or NHCH₃.

5. Use according to claim 4 characterized in that the transition metal in the transition metal coordination compound of formula (I) is Nickel

6. Use according to any of the claims 1 to 5 characterized in that the transition metal coordination compound is used in a mixture comprising at least one of the following dyes: C.I. Disperse Yellow 42, C.I. Disperse Yellow 72, C.I. Disperse Yellow 86, C.I. Disperse Yellow 54, C.I. Disperse Yellow 64, C.I. Solvent Yellow 163, C.I. Disperse Red 60, C.I. Disperse Red 86, C.I. Disperse Red 91, C.I. Disperse Red 167, C.I. Disperse Red 167.1, C.I. Disperse Red 202, C.I. Disperse Red 302, C.I. Disperse Red 273, C.I. Disperse Red 279, C.I. Disperse Red 271, C.I. Solvent Red 135, C.I. Disperse Violet 27, C.I. Disperse Violet 57, C.I. Disperse Blue 56, C.I. Disperse Blue 77, C.I. Disperse Blue 54, C.I. Disperse Blue 27, C.I. Disperse Blue 55, C.I. Disperse Blue 60, C.I. Disperse Blue 87, C.I. Disperse Orange 30, C.I. Disperse Orange 41, C.I. Disperse Orange 29, structures according to formula (IV)



wherein

R_{13} signifies -Br, -Cl, or -CN;

R_{14} signifies -H, -CH₃, -NHCOCH₃;

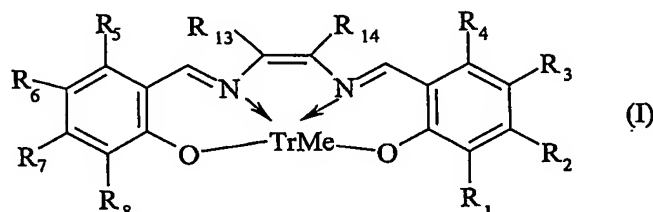
R_{15} signifies a unsubstituted ethyl group or ethyl group which is substituted by -CN, -acyloxy;

R_{16} signifies a unsubstituted ethyl group or ethyl group which is substituted by -CN, -acyloxy;

or mixtures thereof.

7. Mixture comprising at least one transition metal coordination compound and at least one disperse dye.

8. Mixture according to claim 7 characterized in that the at least one transition metal coordination compound is a transition metal coordination compound according to formula (I)



wherein

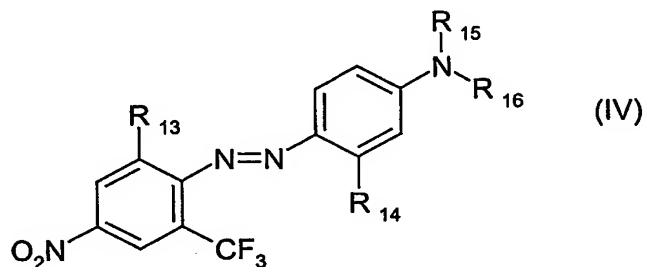
TrMe signifies a transition metal and R_1 to R_8 independently from each other signify H, halogen, $-\text{NO}_2$, $-\text{CN}$, $-\text{OH}$, $-\text{COOH}$, $-\text{CH}_3$, $-\text{NH}_2$ or NHCH_3 and R_{13} or R_{14} independently from each other signify H, halogen or $-\text{CN}$, or R_{13} and R_{14} form together a ring which is by preference a six membered ring and which may be unsubstituted or may be substituted by halogen, $-\text{NO}_2$, $-\text{CN}$, $-\text{OH}$, $-\text{COOH}$, $-\text{CH}_3$, $-\text{NH}_2$ or NHCH_3 .

9. Mixture according to claim 8 characterized in that the transition metal TrMe comprises Ni, Co, Cr or Cu (Nickel, Cobalt, Chromium or Copper).

10. Mixture according to claim 9 characterized in that the transition metal TrMe is Nickel.

11. Mixture according to claim 7 characterized in that the at least one disperse dye is at least one of the following dyes: C.I. Disperse Yellow 42, C.I. Disperse Yellow 72, C.I. Disperse Yellow 86, C.I. Disperse Yellow 54, C.I. Disperse Yellow 64, C.I. Solvent Yellow 163, C.I. Disperse Red 60, C.I. Disperse Red 86, C.I. Disperse Red 91, C.I. Disperse Red 167, C.I. Disperse Red 167.1, C.I. Disperse Red 202, C.I. Disperse Red 302, C.I. Disperse Red 273, C.I. Disperse Red 279,

C.I. Disperse Red 271, C.I. Solvent Red 135, C.I. Disperse Violet 27, C.I. Disperse Violet 57, C.I. Disperse Blue 56, C.I. Disperse Blue 77, C.I. Disperse Blue 54, C.I. Disperse Blue 27, C.I. Disperse Blue 55, C.I. Disperse Blue 60, C.I. Disperse Blue 87, C.I. Disperse Orange 30, C.I. Disperse Orange 41, C.I. Disperse Orange 29, structures according to formula (IV)



wherein

R₁₃ signifies -Br, -Cl, or -CN;

R₁₄ signifies -H, -CH₃, -NHCOCH₃;

R₁₅ signifies a unsubstituted ethyl group or ethyl group which is substituted by -CN, -acyloxy;

R₁₆ signifies a unsubstituted ethyl group or ethyl group which is substituted by -CN, -acyloxy;

or mixtures thereof.

12. Textile material dyed with a mixture according to Claim 7.

13. Use of a textile as claimed in Claim 12 as automobile upholstery or as an article of clothing or as a sun blind or textiles for out door furnitures.